

Executive Summary Report

SMOG CHECK Statewide

Year 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	9,554,479	1,222,664	12.80%
Total	11,037,010	1,548,622	14.03%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	8,178,229	85.60%	1,376,250	14.40%
Total	9,274,725	84.03%	1,762,285	15.97%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	4,908,473	85.70%	818,913	14.30%
Total	5,597,593	84.82%	1,001,464	15.18%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	188,421	1.97%
All Emissions	618,918	6.48%
All Visual	139,515	1.46%
All Functional	411,880	4.31%
OBDII	413,578	4.33%
Overall	1,222,664	12.80%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	7,661,536	988,960	12.91%	149,679	1.95%
Partially Enhanced	462,998	68,587	14.81%	10,318	2.23%
Basic	862,869	105,027	12.17%	18,072	2.09%
Change of Ownership	63,526	9,625	15.15%	2,538	4.00%
No Program	47	6	12.77%	0	0.00%
Unknown Program	503,503	50,459	10.02%	7,814	1.55%
Total Program Area	9,554,479	1,222,664	12.80%	188,421	1.97%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	5,727,386	801,425	13.99%	130,899	2.29%
Regular	2,982,457	289,857	9.72%	37,170	1.25%
Basic Area Dealer	52,979	2,902	5.48%	339	0.64%
Gold Shield in Enhanced Area	622,651	101,529	16.31%	14,580	2.34%
Gold Shield in Basic Area	71,694	12,296	17.15%	2,473	3.45%
Gold Shield in COO Area	49,395	6,764	13.69%	1,743	3.53%
Business Fleet	140	4	2.86%	0	0.00%
Permanent Fleet Registered	1,015	113	11.13%	14	1.38%
Referee	8,759	4,393	50.15%	936	10.69%
Government Fleet	37,990	3,379	8.89%	267	0.70%
Unknown Privilege	13	2	15.38%	0	0.00%
Total	9,554,479	1,222,664	12.80%	188,421	1.97%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	2,941,048	2,624,443
Directed Vehicles	2,786,338	2,284,030
Total	5,727,386	4,908,473

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	548,188	466,211
Directed Vehicles	195,552	148,193
Total	743,740	614,404

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	11	3	27.27%	18.18%	0.00%	9.09%	0.00%	0.00%
MY-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1934	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1955	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1962	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	15	11	73.33%	46.67%	46.67%	0.00%	13.33%	0.00%
MY-1966	10	5	50.00%	40.00%	20.00%	10.00%	20.00%	0.00%
MY-1967	1	1	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
MY-1968	6	3	50.00%	16.67%	0.00%	33.33%	16.67%	0.00%
MY-1969	2	1	50.00%	0.00%	0.00%	50.00%	50.00%	0.00%
MY-1970	5	4	80.00%	60.00%	20.00%	40.00%	40.00%	0.00%
MY-1971	8	5	62.50%	62.50%	12.50%	37.50%	25.00%	0.00%
MY-1972	5	2	40.00%	20.00%	0.00%	40.00%	40.00%	0.00%
MY-1973	7	2	28.57%	14.29%	14.29%	14.29%	28.57%	0.00%
MY-1974	48	10	20.83%	12.50%	6.25%	10.42%	10.42%	0.00%
MY-1975	115	47	40.87%	29.57%	17.39%	21.74%	13.91%	0.00%
MY-1976	15,510	4,691	30.25%	20.01%	9.69%	18.63%	8.56%	0.00%
MY-1977	21,721	6,680	30.75%	18.23%	8.61%	20.54%	8.70%	0.00%
MY-1978	24,893	7,733	31.06%	18.96%	9.30%	20.43%	8.77%	0.00%
MY-1979	27,227	8,958	32.90%	20.86%	10.10%	21.65%	8.98%	0.00%
MY-1980	17,265	5,178	29.99%	20.78%	10.95%	18.53%	8.74%	0.00%
MY-1981	20,284	6,387	31.49%	23.51%	11.21%	18.09%	8.53%	0.00%
MY-1982	23,737	7,189	30.29%	22.86%	10.92%	17.37%	7.99%	0.00%
MY-1983	32,578	9,949	30.54%	22.97%	10.70%	17.05%	7.60%	0.00%
MY-1984	59,526	18,608	31.26%	24.07%	12.12%	17.63%	7.54%	0.00%
MY-1985	80,999	24,278	29.97%	22.69%	10.68%	17.00%	6.56%	0.00%
MY-1986	115,675	32,298	27.92%	20.24%	9.27%	16.16%	5.60%	0.00%
MY-1987	137,493	39,737	28.90%	21.77%	8.86%	15.71%	5.20%	0.00%
MY-1988	166,127	43,692	26.30%	19.37%	7.55%	14.41%	4.34%	0.00%
MY-1989	223,233	52,976	23.73%	16.68%	6.13%	13.38%	3.69%	0.00%
MY-1990	263,035	59,195	22.50%	16.03%	5.56%	12.07%	3.02%	0.00%
MY-1991	308,535	64,353	20.86%	14.74%	4.85%	11.11%	2.47%	0.00%
MY-1992	304,434	59,226	19.45%	13.57%	4.35%	10.11%	2.34%	0.00%
MY-1993	364,360	77,855	21.37%	15.74%	3.82%	10.07%	2.33%	0.00%
MY-1994	455,434	82,401	18.09%	11.96%	2.66%	9.13%	2.05%	0.00%
MY-1995	448,582	75,266	16.78%	11.08%	2.44%	8.31%	1.95%	0.00%
MY-1996	591,290	92,862	15.70%	6.35%	0.97%	1.50%	1.11%	10.66%
MY-1997	512,035	77,363	15.11%	5.62%	1.00%	1.52%	1.06%	10.62%
MY-1998	814,114	83,012	10.20%	3.09%	0.55%	0.81%	0.70%	7.49%
MY-1999	592,930	57,162	9.64%	2.28%	0.45%	0.73%	0.67%	7.59%
MY-2000	1,305,013	91,056	6.98%	1.19%	0.27%	0.57%	0.44%	5.71%
MY-2001	491,894	40,323	8.20%	1.02%	0.24%	0.64%	0.47%	7.13%
MY-2002	1,416,782	70,039	4.94%	0.47%	0.12%	0.44%	0.33%	4.25%
MY-2003	249,909	9,421	3.77%	0.43%	0.12%	0.28%	0.24%	3.15%
MY-2004	215,607	7,709	3.58%	0.25%	0.07%	0.27%	0.16%	3.06%
MY-2005	90,765	3,050	3.36%	0.22%	0.06%	0.23%	0.19%	2.86%
MY-2006	66,030	1,913	2.90%	0.21%	0.06%	0.26%	0.20%	2.39%
MY-2007	63,970	1,426	2.23%	0.15%	0.06%	0.16%	0.10%	1.88%
MY-2008	31,266	553	1.77%	0.25%	0.19%	0.16%	0.11%	1.33%
MY-2009	1,988	29	1.46%	0.05%	0.00%	0.00%	0.05%	1.36%
All Model Years	9,554,479	1,222,664	12.80%	6.48%	1.97%	4.31%	1.46%	4.33%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	6,549
Certificate of Non Compliance	16
Parts Cost	967
Hardship Extensions	2,151
Exempt Vehicle	470
Exempted by Directive	1,445
Parts Exemption	38
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	11,636

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,217
Stations Locked-Out at Least Once	1,357
Stations Conducted at Least One Test	8,208

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,868	5,879
EA	Gas Endorsement	15	0
EB	Both Endorsement	68	0
EB	Gas Endorsement	585	0
EU	Gas Endorsement	1	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	5,040,184	49.64	573,466	50.54	5,613,650	49.73
Test and Repair	1,958,665	47.62	975,755	47.37	2,934,420	47.53
Test and Repair Dealer	159	54.95	52,621	51.21	52,780	51.22
Referee	4,355	30.00	1,447	30.00	5,802	30.00
Gold Shield in Enhanced Area	493,236	49.08	124,093	46.00	617,329	48.46
Gold Shield in Basic Area	8	67.63	71,276	37.13	71,284	37.14
Gold Shield in COO Area	1,923	48.52	47,092	51.75	49,015	51.63

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	86,496	22.10	292,977	213.63
	\$51-150	74,673	100.90		
	\$151-250	47,381	199.37		
	\$251-450	49,873	336.33		
	Over \$450	34,554	779.09		
CAP Repairs	\$0-50	1,592	23.73	46,713	372.31
	\$51-150	3,457	106.22		
	\$151-250	6,221	203.98		
	\$251-450	16,913	354.03		
	Over \$450	18,530	525.10		
Total Repairs	\$0-50	75,129	22.31	304,078	263.02
	\$51-150	61,899	101.06		
	\$151-250	48,476	200.29		
	\$251-450	62,220	341.67		
	Over \$450	56,354	728.95		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	43,121	372.30

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	114	38	4	0	7	23	15	2
Acceleration Simulation Mode (ASM)	Basic	Referee	7	7	2	2	2	2	4	4

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	683	119	17	6	39	65	34	16
Acceleration Simulation Mode (ASM)	Basic	Test Only	635	97	11	8	31	57	28	9
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	16	5	0	1	0	4	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	4	2	1	0	4	3	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	71	9	2	0	4	4	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	104	15	1	1	3	9	6	2
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	108	3	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,384	251	33	15	118	110	74	27
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	356,804	74,287	10,233	3,650	24,873	38,086	24,511	9,086
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	1,150	44	8	600	391	194	19
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	223	62	5	0	37	19	9	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	2,587	2,959	589	1,067	665	1,546	978	1,469
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	1,394,509	141,716	14,820	6,943	70,518	55,662	37,483	13,547
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	38	7	0	1	2	4	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	4,122,278	709,041	115,526	36,952	208,782	403,943	245,357	80,627
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	18	3	0	0	0	2	2	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	14	3	0	0	2	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	83	12	2	0	5	3	7	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	32,239	7,668	1,163	369	2,395	4,128	2,669	907
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	41	6	1	14	18	9	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Referee	113	222	50	96	40	118	90	141
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	199,900	36,609	5,226	1,855	10,268	19,460	13,501	4,110
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	98	10	0	1	4	3	4	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	111,062	20,088	3,185	1,143	5,767	11,205	6,726	2,287
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	81	20	2	1	11	10	6	2
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	17,417	3,178	488	239	1,245	1,565	922	439
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	1,735	138	5	352	1,209	234	13
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	411	239	52	93	47	120	91	128
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	139,755	14,582	1,903	833	6,482	6,750	3,879	1,681
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	139,722	19,663	3,317	1,349	7,651	10,694	5,505	2,583
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	8	2	0	0	0	1	1	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	51,172	11,275	2,305	848	2,984	4,496	5,137	1,821
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	3,711	548	117	28	158	234	233	58
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	46,290	8,790	1,433	559	2,668	2,986	4,004	1,563
Two Speed Idle (TSI)	Basic	Government Fleet	0	96	14	1	44	24	29	2
Two Speed Idle (TSI)	Basic	Referee	321	436	88	214	79	145	174	286
Two Speed Idle (TSI)	Basic	Test and Repair	514,468	68,920	11,243	3,590	21,278	24,088	30,709	8,120
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	38,182	2,434	308	97	877	672	968	293
Two Speed Idle (TSI)	Basic	Test Only	80,123	12,266	2,530	675	4,042	5,139	4,486	1,375
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	504	110	30	9	29	43	55	22
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	20,240	4,203	1,192	252	854	2,256	1,735	516
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	2,036	532	140	49	119	266	263	105
Two Speed Idle (TSI)	Change of Ownership	Referee	39	52	15	20	9	27	25	30

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	20,251	3,019	703	225	834	1,295	1,373	484
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	412	28	3	0	11	11	8	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	9,110	1,647	450	131	399	796	641	236
Two Speed Idle (TSI)	Enhanced	Business-Fleet	11	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	3,855	344	36	16	212	70	79	29
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	5,254	457	62	18	238	125	128	38
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	48,728	5,763	889	287	2,654	1,739	1,964	676
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	247	43	0	114	84	50	4
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	395	49	9	0	6	27	18	14
Two Speed Idle (TSI)	Enhanced	Referee	491	305	39	140	123	74	63	170
Two Speed Idle (TSI)	Enhanced	Test and Repair	248,325	16,888	2,035	802	9,656	3,896	4,494	1,607
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	4,368	215	11	5	151	24	39	7
Two Speed Idle (TSI)	Enhanced	Test Only	400,448	35,213	5,305	1,490	19,139	10,357	8,136	3,025
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	430	36	4	3	14	12	12	7
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	495	46	8	2	15	16	19	6
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	3,484	472	90	28	201	163	166	59
Two Speed Idle (TSI)	Partial	Referee	19	13	1	9	6	1	4	11
Two Speed Idle (TSI)	Partial	Test and Repair	23,135	2,326	389	145	959	743	850	288
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	490	26	0	0	15	3	8	2
Two Speed Idle (TSI)	Partial	Test Only	10,999	1,016	194	66	438	368	278	126
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	2,844	528	98	62	209	177	206	99
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	10,372	1,227	327	87	399	555	481	181
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	6,843	796	140	55	360	257	279	114
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	108	22	1	45	43	30	3
Two Speed Idle (TSI)	Unknown Program	Referee	364	155	98	24	26	110	37	52
Two Speed Idle (TSI)	Unknown Program	Test and Repair	60,597	5,666	832	383	2,786	1,629	1,816	709
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	4,704	182	17	6	119	33	38	15
Two Speed Idle (TSI)	Unknown Program	Test Only	33,975	2,376	380	142	1,341	714	492	253
UnKnown TestType	Change of Ownership	Referee	4	1	0	0	0	1	0	1